AMOGRAW-HILL PUBLICATION WEEK

later this year the flist of 36 luxurious 60-passenger Boeing Statocruisers equipped with dependable Hamilton Standard Hydromatic propellers will be plying the air routes of Pan American World Airways Northwest Airlines & and B.O.A.C. These propellers A Marguith that light-weight Thollow-steel blades have automatic synctronization CCCC internal electric de-icing and are fully and are fully reversible . All these factors contribute to more profitable operations (#)-one of the important reasons for the selection of Hydromatics by these three great airlines. HAMILTON STANDARD PROPELLERS EAST HARTFORD CONNECTICUT ONE OF THE FOUR DIVISIONS OF UNITED AIRCRAFT CORPORATION



The Birdmen's Perch

By Marina All Williams, AUAS, "TATTERED WING TIPS." Out Avieton Products Mercegor, Gall Help., Pittchurgh 30, Pa.



Advance in the type place we that

ON YOUR MARK





BLANK DIPT.

Gulf Oil Commettee and Gulf





AVIATION WEEK March 22 2341



ontiers

Author of Science of War

NRCA's Amusine Greeth

and control equipment to convenient hims and other flats becards down

New Direct 14 Finantial 32 Edmonal 46

Robert H. Wood Meetic II. Mides

Character Markette Control Markette Control Statement Control Stat

Robert Volumes -- Aspendix Vignetia County -- - Attend to tree Encuries and Editored Officer 300 W. 42nd St., New York LL N. T.; Noticed Bennetic Venus Parrogs, Arlente S. Rhode-Bennty Effat, Chinago II, 200 N. Mishigan Anna Christiand H. Hause Balls, i Berinn Dr. Frenchert Bilds, Let-Angelon M. S. 16, 78 Sept. 98; Non Proschert A. 60 New Ny. Hauser, Alf-School, S. Carrespondant: Barton, Ballsty, Dellas, Deylon, Burrer, Indinsepath S. Karrespondant: Barton, Ballsty, Dellas, Deylon, Burrer, Indinsepath Delancellis, Karme Cer, Karrellis, Lancau, Laurerella, Noughto, Missi,

Doner M. Karner, Sanfard S. Parker, William F. Builey, John D. Wilson Robert E. Brace

Assessed, W. D. Louise R. W. Marray, Jr., Sales Monager, M. J. Stern, New York and Philadel-phin, V. K. Electrin, Clevelands, L. J. Hall, Chemps I. G. Ashmero, Marray, J. W. Okamona, Son. Propagatory, C. F. & Edggrands, Lan Angeles. Other and

Action was compressed to the Control of the Married Williams

ANOTHER RECORD IN AIRCRAFT PROGRESS



... FAFNIR Plya-Seal Ball Bearings to match this new pulley standardization

When NAS standardind already control derivates an entirely new line of hell bearings incornarating the Piya-Scal for these new pulleys.

in the approved polleys. Petrir's done just that from the very barining

int oppings and believedors. And, for years, Paduly has had a fully staffed and engineed sircraft defacturers and operators. That's why Fafair is



. . . developing the first ball bearings designed piececred with wholly new type ball buriage for

- Mail This Coupon NOW-

AVIATION WEEK Mond 20 1043 AVIATION WEEK, Merch 29, 1946



Just a forging, but—the forging process develops the greatest combination of physical properties (tensile and compressive strength, duetility, impact and fatigue strength) and the greatest uniformity of quality of any method of manufacturing metallic shapes . . . Wyman-Gordon has pioneered in the development of intricate forgings typical of which is the pump housing foreing for a controllable-pitch aircraft propeller.

WYMAN - GORDON

Forgings of Aluminum, Magnesium, Steel WORCESTER, MASSACHUSETTS, U. S. A.

HARVEY, ILLINOIS

DETROIT, MICHIGAN

and Con









Mar. 29, 1948

Congress Forcing Air Fund Boost House Speaker Joseph Martin (R., Craggias These processly neural from

Pro . . .

Loader Robert Lift IR. Obso and free baderts for each submassion to which will be usual parently of fifting

Springly by a sound of Resource we. Home Springly plants (see, Langua Bare Springly 2008) * Geo, George Monholl, James Acres



. Feet I SAF and New payed to stee

civilizes and children in well as

we have to counter in the matter.

of the Assessor pougle "THEY HAVE TO BE DRIVEN WHA AGREE TO SUCH DRAS

Marshall on Airpower

► Expension True Table-Security loades estimated that at least a ven continues, nestern, and fulfran to oce moblems, will be necessary for even

Pro., ration to produce any eventure in

NACA Engine Research Plots New Boosts for Jet Power

Increase in pressure ratios and operating temperatures point to longer plane range and operating economies, IAS meeting told.

By BOBERT MALARREN

Fluctuard Present Ratio-Increment these same conditions weakl reduce Study by Recc V Hensley and

Propelane Research Laboratory per pound of forest. With a pressure

non. lakeston of the reduction of

to LP and at 1500 meh, consumption

Alison Division, General Motors Corp.

WIRFLESS RADIO SHIP for riodic entrement, deposit something new locations of created codin processes to

HEADLINE NEWS

gues colling for the dealt and UMT as

Marshell, whose prowar War Do

avalenton facilities they returned after

are new short on rathfrey bucklers

* Service Fet Publisher - These fasterer en-



Pension Cost Survey Is Made by Industry

· 51 guested pay for bolidays not

Richardson New

Fairchild President

Jones Confirmed



► Treffic Gaga—The 1947 defect con-

AVIATION WEEK March 29 1940

tends and supplies in 1947 showed

NAMES OF PACK PLANE PROJECTED-Assess to morbid problems of disease military or cargon, field enleading and continue of stations focus on the Frenchild C 12

Yest Plane was made development. The officeration look is releved from the lasts

Enirchild Contracts New "Pack Plane"

Convair-Liner Damaged

Scroup demogr to an America Au-



Borgla. D355 plane I research steplane has setemed high sight, are shown before latest reasons. NACA is now flying two service field that reserves at Manuel Are France Base, Calif., 64. Manuel and Manuel with the fined potential by Navy solists.

Supersonic Tunnel Plan Stalled

Power abortuse stemies main here designed to representate the ranhere plan to expend buch not requirement of evoled marrier. speed speeds facilities . Uneventy Wied Toronto-A series NSRC or AEDC Downed by NACA. fiety of transpare and supersonic wind . Additional Toronts at Propert Inbanca, recodes several larger than stellations in solution to those new

Save, the Arbanus Rose, and the

Coordination and final appeared of

INDUSTRY OBSERVER

is Followine extensive expend and Sight tests. Resoldie Asiation Corp. Acaded net to our an advertable play to need on a versible area records in the F-54 Threadenet fighter, Although previous data indicated a large gain in fact consoner * Workt TAS technical entire of \$300 less is now in exceptive resolution. although no specific installations have been under payorated cales aroust sloft at Winnien when around temperature was 20 selow zero, and found 50 below year temperature at \$2,000 ft. Flight not made

a 300 rates. Energy is 165-by Frenklin. Design shows refluence of Salamily Filterish Stock Assessor Aircras completed 1900 Atlantic compart receptly

► Ridd attackment of TG-180 turkent engine as Douglas D-596.I Skytanik is he converge are confedered will not copye. Do Militon Classes. Despite El Servanio.

P Northwest Airborn will have water insection equipment installed on all sty May tin 2-0-2 transports by July 1. This will permit utrang the manisorm tricoff gross * Resolve Averline Corp engineers may have solved the neighbor of accounts which may be excitled in the tillegue partly well between inger and outer sing-

Overseas Tourist Travel

Gaining, TWA Reports

AVIATION CALENDAR

medica milio, accident made medica in Cale Reportungia be Palater Assure New York City Age, 10 - Acceptant Medical England of Medical England (Medical England Medical England

ger \$5.56-58-Onliverie Aviation contra-ence represented by Lon Augules, San Francisco and Asia Signs Chambers of

EXPERIMENTAL PROPERTY OF THE P

HEADLINE NEWS

cost amotivable nothing

William L. Goar, Washington street the 2000 asplanes at the base escaped

PENANCIAL General Motors in reliable reported

Managells Honovell Roychton for 1947 as sales measurables to SSS-

NEWS DIGEST

Pare-Canada Aktimo will communic

LETTERS Goodyear Reports on Gear

S. W. Nickarson, Marrey

Navion's Improvements

FACH A PROVEN PELIARIE PRODUCT



-heavy ship : may be had with cytons first control.

3 Accepted names

and years of excellent service which appletas its even-graving Finder' Salblacking Nats are all the execution, of more on-

"Urbrike" and "Hallovid" Products are said satisfy

SPECIAL APPROPRIE

See at at Forthe 324, 326 and 338-ASTA Especies, March 15th to

ENGINEERING & PRODUCTION

Douglas Cites Declining Backlog In Reporting Loss of \$2,140,579

Value of unfulfilled contracts drops \$62,600,000 in year, with one-third of remainder representing completed but undelivered work.

By SCHOLER BANGS

then a Illinoir deservation proud

Loan Cata USAF

Electropilot Contract



hind production to care the bath the FFAD and 24c, such as engine shown as about-6-of as for the McDuneell Basabox, which is powered by two 24Cs and

Correct meets, as of Dec. 31, 1943.

West Coast Labor Story Hinges on National Policy

Grumman Reports Net of \$2,291,120

regulate and are available in reflectat

unlesse Agent the rest near. Eate at Walmen has been curtained and appear

proving tely 1000 such staffs.

AVEATION WEEK, Merch 29, 1968

Sourc Parts Production

\$24,241,247, or so 1) percent recurse. Heading the subcommittee is 1. O As of Dec. 31, 1947, Generate

> Lightplane Exports Total 43 for February

Indu, Chile and Cobe received two. Committee reporting to AIA were

Boeing Union Rejects Company Wage Proposal Assessment Mechanics Union at

Ainsenft Industry Studies Man strue or dispute, in addition to Early but year the saxon voted to strike rather than scoops the coursest



Cockpit Confusion . . . A Challenge

Simplification of pilot's job by designing coordinated control groupings seen as vital factor in goal to eliminate crashes.

Constacrent automos flying at super specific-between continents on a few P. Phonesi Defeat-The can only be Mistakes-Accidents so easily attribfor out to clear the love. Renne

confusion is greatest. Here is where Alone with month! below there in The subject it quite physics, benames. What me we do to eliminate Brine Field-Streller acception

AVIATION WEEK, Morel 29, 1941



X-RAYS GET THE INSIDE STORY

. The Weight technique is readed, must be forget, the causalies of the . But his year family divise, the











with Speed-Density Fuel Control FOR JET ENGINES

In the same way Heady' research has to often made · laborer temperature histories by fuel/sir code a nearitive, necessor, all-speed governor.

compensation for its semperature, rum, and abitede · to distribute from managers or andress.

· so dis-out on deceleration. BENDIX PRODUCTS DIVISION #1 JOSEPH HIND 20, DIZIANA

THE RESERVE SEVICE INVESTIGAT CARRIED



AVIATION WEEK, March 29, 2940





netters, check company, check trust

complehed, according to observers

* 2 Sub-grouping of Item 1 rate sep-

ferson in addition to require and local

she very respected. When the wheel

Cabin 'Charger Problem Solved by Tiny Gearset



under drichinge pressure of 155 par

in the specials industry. Boxs.

self readly to introduce formers, to





FOR IMPORTANT PARTS LIKE THESE

NITED STATES STEEL AMERICAN STREET & WHITE COMPANY, Obvioland, Observe & New York CASHIOM-ELISON STREE COSPORATION, Pinnings & Chicago . COLUMNIA STREE COMPANY, See Prendicts NATIONAL THE COMPANY, Pindurch - TERRETIES COAL, HOM & SALLEOAN COMPANY, Bushquan MATTER STATES STATES STATES COMPANY, Western Statement - Secretary Cont. LANSING STATES STATE



Rotor Blade Spoilers Aid Control

USAF starts trials with Landgraf H-2, termed first belieopter to use ailerons as well as spoilers on blades. Stick shake minimized.

clude follows which cased destruction - telegraph, page or lower action following





Hose, mechanic demonstrates high degree of firefulney and "give" of brievels landing gree

15-ke Pubjey capue During his

AVIATION WEEK, Merch 29, 1948

NEW AVIATION PRODUCTS Pressure Policy Accessory

Impact Kit Offered



Pressure Switch



Band Co., 11 Booslessy, New York 6, lertal accessors at received. Tool is

Sapphire Plug Gage Metal-troped supplies plug gages which wast armirated durant while Suppless Products Div., Elgin National



per Machined from dural har stock, Vibration Damper

Pilot Aid for Takeoff, Landing

A 25-lar Intermement and absorption and death on only maked in face



Gages Contours

production blade thapes, in either



TRYING TO SHEAR THE MAIN PUMP DRIVE GEAR

... to test the safety factor of this high-pressure fuel nump

When you're taken off on a set sole you bust easy't he sho That's why Pesco engineers have developed a high And that's why these same engineers resily gave this purp the needer or testing of and fed into the parties side unch after hear out up he the year teeth . . . or hecause of their vespped steelf around the pear did the genr seas. It was respect that sexual the pear the the genr seas. It was pretty touch test, But then the Person High, Pressure

Artually, the latest Perco development is really two

manner in one. There is a common ward, but two accorded ducharges and two drave shalls . . . one inside the other







SALES & SERVICE

Expected World War II Pilot Surplus Used Up, Balfour Says

ATS head cites demand for instructor graduates in torcetol rebettal to Budget Bureau's attack on GI aviation training in schools and colleges.

By ALEXANDER MOSURELY

Personal kendiges over for set

· Afficeres - Trofemon somewhat everyweed and lakely to become more

Metallancial enricem, marine car

the number of solo for a year or two



rear photo of the new four phot inper reasiny Crime stove the No. 1 plane seconds found to the West Coast by Procr info amount Life Miller, The 115

cop of younger priors will be would

Stanley J. Moss Buys

Stone Propelley Firm Sterley J. Moss, weeting industrial



That parties of the low Course Model 190 on Fife Markel 1983 than, show the trace told for errogement which has been provided for additional discr

Door Controls

While on a cromometry has

the Store Papeller Manufacturing Skyways 99 and 101

Two Marson for arrest from

Donkey vs. Navion

The "foolgreef" replace hands per

About the true the 'Lune' double.

fully dispersionted as donker month

BRIEFING FOR DEALERS & DISTRIBUTORS

► UNEAVORABLE GESCHOOL ACTION-Pediagram actors by House sale committee on releases' rehibilitation and education is almost considered; con House Veterant After Consenting The representer made forestells accommendatess on two surroduced liels, H.R. Sidli distroduced by Rep. W. tuining, in line with the Badget Berrys recommendation (Avvance Wats, called for a subpassignaph authorising available or flight tratable on an elective here for academic could be need a denve of a womanfe supplemen of higher browner. The complement would malify an equation Veterant' Administration. order which keem fight transpar from being crossitive in an elective in an fact that the subsequently over present out this removed appropriate, which

FINAL CONVENTION-Musergolis will be the site of the 1946 convention of the National Amountain Association, to be held at the Hetel Radiana, with the Country Twin Cities NAA chapter to hast. Registration will been Sunder-

how 77, with business recover studies the following day and continuous through

► NAVION PRODUCTION CERTIFICATE-Rvin Assumbted Co., See Deep, but been associal CAA Production Cutificate No. 601, opening magni-North Assessmen. The new certificate indicates that Rean law suct all amillion-

PPRACTICAL AIR NAVIGATION-A new concernal edition of Practical

AVIATION WEEK, March 29, 2940









FINANCIAL

Study of United's Financing Plan Shows Stress on Future Earnings

Annual report and proxy statement emphasize importance of airmail pey to new money program submitted > 1949 Coccan-Union extraceluse for stockholders' approval.

rearbet rendstore". The country is

intropolities merital many periods and charge. Werey Pub. It is difficult to opportung the obtained Jane 1, 1946, the preferred dividend Moreover, the timine of new mad most is counted as helieving that it is

Breeve Trender-Baston of only

Darrow 1947 United receivered a apprepared \$7,977,297 Hence, from

situlatiny enting power denou-



'SCIENTIST' NOW"

Remember the hot reak pilet of past a year or experimental planes. Jut whotever the auronment, he's still there . . doing a job to protect our way of living.

developing new equipment, transing personnel and strength, it is making overly effort to retain

> The aboralt soducity too continues to save money they well-haven, because ander

Subter, and the AF-12, feat-moune, 450 M-FH Jung range, photo recommission plans. They are weetly successed to the Mighty P.-47

BEPUBLIC SAVIATION Haden of the Highly Thursdold . Thursdoyst . XF-12

AVIATION WORLD NEWS

Mexico City Letter:

LAMSA, UAL Subsidiary, Shies From Mexican Merger Proposal

Plane crash spors government interest in nation's domestic airlines; construction of airports and radio aids is

They morning to defer decrease. crafted as a for with the loss of prac-

LAMSA beyes to "get a book" some time in the fedges of the United States rain, colled on representatives of

of the vaneus stellines. CMA, which

The proped per 14 Merco is about

an effort to use the revenueser's re-

Hoverer reductive spolesmen expens ring shelf open to seltions for not adopt

AIR TRANSPORT

Senate Subcommittee Probe Into Airline Subsidies Planned

Investigation of possible political influence in award of routes by CAB also on apenda of Congressional group

Consulting because of the installer of

Meyers Investigation of characters to

ongs powerger leads by Aerodes, Inc., Massi. The former copy coell has been

CAB SCHEDULE

Apr 1-desi argument in TMA-Bughes Tool Co. Investigation. (Gredet 1796.) (PCA) and tale over (Burke) (N)



On the new B-36 . . . by Consolidated Vultee . . .

Safety Glass BY "PITTSBURGH"



SBURGH PLATE GLASS

Senate Aviation Subcommittee Given Safety Recommendations

Technical consultant for Congressional group issues report criticizing CAA, CAB, certificated and uncertifieated carriers and pilots. leterated as a state of the sta

which apply to certificated schoolsed Pitet Counding Asked-Most radical

days those were other fivers. After a

* Encertificated Lines HipuThe, second

· All pomenger plants should be



Branch Answers Attack On Decision

Her both on paded in waveleforing

Flashbulb Non Guarded By Rudor-Proof Conister

Free Passengers Torn

Independent Au Service, office as

U. S. Flag Carriers Show Loss in 1947

Now! An Even Bigger, Better Flying Boxcar -The Fairchild Packet C-119

Somethme new in the six. Out of the tried and proved first plane ever designed specifically for emprearrying has count this latest creation of Fairchold engi-

Like the expinel C 82 Parket, the C-119 Farrhild, the Air Force and the Trees Car-With sucreased payload, speed and chesh,

the new Pucket can bromport 12 tons of rice, This new Flying Boscor meorporates un-

array and

Fairchild Aircraft Dichies of Feschild Engine and Arphan Corporates, Regardson, Veryland.



Lochiel, Wilson, Neelands Flerted to PCA's Board



boxe elected was periodent in 1942. has been impossible moral halfs man-

Slick Deficit Totals \$444.474 in 1947 Ducate continued mins in contr-Other pencenel developments

► Gests Some-Operating revenues last 946 to \$3,261,745 in 1947. Since its Reson costs highled Slick's honor of

SHORTLINES

P Capital (PCA)-Pleas in research servery with New Orleans and Mobile on

Florida Agressa-States on its mores!

rately between Missa and Central



high albitade. The stolera persons sources open cheeks regardless of sixtade, and many valuable to researc the bath from Newboundar's second. Pleas a Subsective value to graph for our the ground states on take of. Periodic suit round. Ground myblistigs also doubles beginner and place difference in

O'Connell Nominated For CAB Washington lower, formerly

Walregton, D. C. atterner and for France Ade - Free Nevenber

Joseph J. O'Connell, B.



SEARCHLIGHT SECTION THE OWNER A DISTRICT A DEPOSIT A DESCRIPTION OF A PERSON OF THE PROPERTY AND ASSESSMENT ASSESSMENT AND ASSESSMENT ASSESSMENT AND ASSESSMENT AS

tie o line, niniman i lines. To figure odvaren payment come 2 creents which

policioses at 1975, it talk permant in made

RESEARCH DEVELOPMENT

Engineering Personnel Office

AFRONALITICAL ENGINEERS

With about entitlement and artific of

Perfectional Employment Section

THE IS CAN I MADEIN PRIMITING

Opportunities For experienced engineers Send complete summery of





Menufecturer Or Financier WANTED



SCHOOLS

HNUSHAL OPPORTUNITIES can be found each week in the

SEARCHLIGHT SECTION

AVIATION WEEK

GENERAL MAGNESIUM FOUNDRIES, INC. MAGNESIUM CASTING MRCRAFT SPECIALISTS

NAL, PCA Sign Interchange Pact

SEARCHLIGHT SECTION -



the steward-davis 100-hour warranted

R-1830-92 conversion



e 12,600,000 BOUGLAS BC-1, BC-4 A-20, CONSTELLATION, BYAN B STORE AND FAW, WEIGHT, SCIN-TILLA, BOLLIPSE, RENDER, PESCO, MANIETON, THOMPSON & OTHER ACCESSIONIS & PARTS.



E 5400,000 AN HARDWARE

A plane of many parts...

The versatile Seeland



triveling office or showroom, type over deserved, and for



Luxury travel in the making

Business or pleasure The private-somer palet will find in the Scalarsh qualifier



Capt. J. L. M. DAVYS No. o Phil. No. a Low, B O & C.

expellent casering acromoments, history-in fact over-

THE PURST MANUFACTURING OF AIRCRAFT

Short Brothers Of Harland Ltd., Queen's Island, Belfort AVIATION WEEK, Merch 29, 1945

Bardy Arama Cop (Technic 201). Access Maddless, Sets & Alexa, Set. Ba Fron de Nemero & Ca., Ser., E. J. Wild Com-

Search Econe Co (Appendes 200) Court Court

Rept. Albeit A. Hoffer & Wells, Sec. Dans Products Co., London S. Reen, Dec.

edite tolette Granicalius Box Bother Life Woman Gr. Est.

Woman Gorden W. Golfen Dr., Ben

DEADLESS STREET

AVIATION WEEK, March 29, 2946

You wouldn't think of spending design time on o standard nut ar boit... why do so on a clama?

Send or year problem: Our hosings many smothed types available Write for specify design proposely on



FLADES



Effective or helpfy of 1800 for the



EDITORIAL

Smash That Incentive!

"These we within acting that a constant of a certical produced provided for the advantage of a certical produced for the advantage of the account of a certical for the advantage of the account of the a

The lank are confidenced innocessibles of properly indicate, that these may be a need for whiteless is everly in the trans-mentals of appeals to the advantablest confidenced our-size even their retire between the U.S. and De Terribay and the confidence of the C.S. and De Terribay

AVIATION WEEK, March 29, 1948.



Rawdon T-1 uses type of "Lucite" that filters out ultraviolet rays

The large transparent area of the "Lucite" enclosure on the Bawdon T-1 gives excelleet vision wet rentests against sunhern because the "Lucite" stops hymeful

This special type of Du Post "Lucite"

ease to forming and machining, durabili-"Lucite" exclosures that protect against

volcoments that have been made nonfacts on "Lucite" and other Do Post remerties. And it offers the other ofde Nerecura & Co. (Inc.). Plastics De-Venteges of regular "Lucite," such as partment, Borm 223-R. Adinaton, N. J.



of the place "basts" is shader revolunt, light is would like EDR INSTALLATION..."HIGHTY Is seen to be level and







GENERAL ELECTRIC unbousperchargers—the "stills" that permit higher altitude flights—have received their first commercial application on the Bosing Stratocruiser, latest in luxury airliners. This huge commercial aircraft is to be used by several of the major airlines for high speed, economical transcontinental and transceancie flights. The use of the turbouspershape is expected to save up to 14 per cent in fuel consumption at craising altitudes, which will result in a substantial decrease in operating cost and an increase in the range of the belane.

As plans for new commercial planes and airlines get underway, the research, design and manufacture of equipment for them are being carried on in G.E.'s aircraft engineering laboratory where complete systems can be tested. From lighting and ignition systems to jet engines and turbosuperchargers, General Electric is prepared to handle your aircraft equipment needs. For more information and any recommendations you desire, get in touch with your nearest G-E office or write us. Apparatus Department, General Electric Company, Schenectady, New York.

GENERAL 🍪 ELECTRIC